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DATE: 01/30/2002 RAW SEQUENCE LISTING TIME: 16:21:02 PATENT APPLICATION: US/09/945,173

Input Set : D:\38155-20035.txt

Output Set: N:\CRF3\01302002\I945173.raw

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4 <110> APPLICANT: Millennium Pharmaceuticals, Inc.
         Meyers, Rachel
 7 <120> TITLE OF INVENTION: 47324, A NOVEL HUMAN G-PROTEIN AND USES
         THEREFOR
10 <130> FILE REFERENCE: 38155-20035.00
12 <140> CURRENT APPLICATION NUMBER: US 09/945,173
13 <141> CURRENT FILING DATE: 2001-08-31
15 <150> PRIOR APPLICATION NUMBER: US 60/229,293
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16 <151> PRIOR FILING DATE: 2000-09-01
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                       Met Ala Ser Leu Asp Arg Val Lys Val Leu Val
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36 ttg gga gac tca ggt gtt ggg aaa tct tcg tta gtc cat ctc cta tgc
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37 Leu Gly Asp Ser Gly Val Gly Lys Ser Ser Leu Val His Leu Leu Cys
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40 caa aat caa gtg ctg gga aat cca tca tgg act gtg ggc tgc tca gtg
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41 Gln Asn Gln Val Leu Gly Asn Pro Ser Trp Thr Val Gly Cys Ser Val
42
44 gat gtc aga gtt cat gat tac aaa gaa gga acc cca gaa gag aag acc
                                                                         195
45 Asp Val Arg Val His Asp Tyr Lys Glu Gly Thr Pro Glu Glu Lys Thr
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48 tac tac ata gaa tta tgg gat gtt gga ggc tct gtg ggc agt gcc agc
                                                                         243
49 Tyr Tyr Ile Glu Leu Trp Asp Val Gly Gly Ser Val Gly Ser Ala Ser
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52 ago gtg aaa ago aca aga goa gta tto tao aao too gta aat ggt att
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53 Ser Val Lys Ser Thr Arg Ala Val Phe Tyr Asn Ser Val Asn Gly Ile
54
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                    80
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56 att ttc gta cac gac tta aca aat aag aag tcc tcc caa aac ttg cgt
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57 Ile Phe Val His Asp Leu Thr Asn Lys Lys Ser Ser Gln Asn Leu Arg
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60 cgt tgg tca ttg gaa gct ctc aac agg gat ttg gtg cca act gga gtc
61 Arg Trp Ser Leu Glu Ala Leu Asn Arg Asp Leu Val Pro Thr Gly Val
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66	Leu	125	Thr	ASN	GIĄ	Asp	130	Asp	GIN	GIU	GIn	135	Ата	ASP	ASII	GIU	
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	Ile	Pro	Leu	Leu	Val		Gly	Thr	Lys	Leu	_	Gln	Ile	His	Glu		
	140					145					150		~~+			155	E 2 1
	aag Lys	_		-	_					-		_	_		-		531
74	пуз	nry	1113	Gru	160	Dea	1111	ALG	1111	165	····	LCu	niu	OIU.	170		
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78				175					180					185			607
	gca Ala																627
82		GIY	190	ser	ASII	нта	Val	195	Leu	261	AIG	PHE	200	ASP	цуъ	Val.	
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	Ile																
86		205					210					215					
	cct																723
	Pro 220	Asp	Arg	Lys	Arg	225	GTA	Ala	GLY	Thr	Leu 230	ьуs	ser	Leu	HIS	1yr 235	
	gac	tσa	atta	acaci	ca t		taaa	aa oa	adtaa	agcaa		atac	rcag	+++1	teac		779
	Asp	*	4000	2040	Jou (			9	., .,	.904	. 900	-9-9:	, 049		cour		, , ,
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10	1 tgc	cctaa	ataa	tage	caaco	ct t	gtct	ccct	c tt	ctct	cctt	tgc	caaat	ggc	tcag	gtgactg	1319
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																cctcac	1439
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12	L Val	Gly	Lys	s Sei	: Ser	Leu	ı Val	His	Let	Let	су Суз	Glr	Asr	Glr	val	Leu	
122				20					25					30		:•	
123	3 Gly	/ Asr	Pro	Sei	Trp	Thr	· Val	. Gly	Cys	Sei	· Val	. Asp	Val	. Arg	y Val	His	

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127 Trp Asp Val Gly Gly Ser Val Gly Ser Ala Ser Ser Val Lys Ser Thr
128 65
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                                        90
131 Leu Thr Asn Lys Lys Ser Ser Gln Asn Leu Arg Arg Trp Ser Leu Glu
                                     105
133 Ala Leu Asn Arg Asp Leu Val Pro Thr Gly Val Leu Val Thr Asn Gly
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135 Asp Tyr Asp Gln Glu Gln Phe Ala Asp Asn Gln Ile Pro Leu Leu Val
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                            135
136
137 Ile Gly Thr Lys Leu Asp Gln Ile His Glu Thr Lys Arg His Glu Val
                                             155
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139 Leu Thr Arg Thr Ala Phe Leu Ala Glu Asp Phe Asn Pro Glu Glu Ile
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                    165
141 Asn Leu Asp Cys Thr Asn Pro Arg Tyr Leu Ala Ala Gly Ser Ser Asn
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143 Ala Val Lys Leu Ser Arg Phe Phe Asp Lys Val Ile Glu Lys Arg Tyr
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145 Phe Leu Arg Glu Gly Asn Gln Ile Pro Gly Phe Pro Asp Arg Lys Arg
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159 tacatagaat tatgggatgt tggaggctct gtgggcagtg ccagcagcgt gaaaagcaca
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163 ccactgttgg taatagggac taaactggac cagattcatg aaacaaagcg ccatgaagtt
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164 ttaactagga ctgctttcct ggctgaggat ttcaatccag aagaaattaa tttggactgc
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165 acaaatccac ggtacttagc tgcaggttct tccaatgctg tcaagctcag taggtttttt
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166 gataaggtca tagagaagag atacttttta agagaaggta atcagattcc aggctttcct
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Input Set = D:\38155-20035.txt
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182 183	Thr	Ile	Leu 35	Tyr	Lys	Leu	Lys	Leu 40	Gly	Glu	Ile	Val	Thr 45	Thr	Ile	Pro
184 185	Thr	Ile 50	Gly	Phe	Asn	Val	Glu 55	Thr	Val	Glu	Tyr	Lys 60	Asn	Ile	Lys	Phe
	Thr		Trp	Asp	Val	Gly		Gln	Glu	Ser	Leu		Pro	Leu	Trp	Arg
187			_	-		70	_				75	_			_	80
188 189	Asn	Tyr	Phe	Pro	Asn 85	Thr	Asp	Ala	Val	Ile 90	Phe	Val	Val	Asp	Ser 95	Ala
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191	_	_		100					105					110		
	Asn	Glu		Glu	Leu	Ala	Asp		Pro	Leu	Leu	Ile		Ala	Asn	Lys
193			115					120		_ •			125			_
	Gln	_	Leu	Pro	GTA	Ala		Ser	GLu	Ala	GLu		Arg	GLu	Ala	Leu
195	<i>α</i> 1	130	TT : -	<i>α</i> 1	T 0	T	135	C 0 m	T	C1	T ***	140	mh~	T ou	C1	C1
	Gly 145	Leu	HIS	GIU	ьeu	LуS 150	СТА	ser	гуs	GIY	155	vai	TILL	nea	GIU	160
	Asp	Δra	Dro	Trn	Glu		Gln	Glv	Cvc	Ser		Val	Lve	Glv	Glu	
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	Leu	Tvr	Glu	Glv		Asp	Trp	Leu	Ser		Asn	Tle	Lvs	Lvs		
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  - Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

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DATE: 01/30/2002 TIME: 16:21:03

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